

Descriptions of some new species of PHYTOPHAGOUS COLEOPTERA ;
by MARTIN JACOBY.

Doryphora amazona, n. sp.

Very convex, fulvous ; head and thorax minutely punctured ; elytra distinctly and closely punctate-striate, greenish-black, a round spot near the scutellum, two, placed obliquely before the middle and a large triangular patch near the apex, light flavous. Length 4 lines.

Head extremely minutely punctured ; labrum testaceous ; antennæ very pale fulvous, the basal joints darker, terminal joints much flattened, broader than long, subtriangular, the last joint more elongate. Thorax four times as broad as long, of nearly equal width, the sides much rounded near the apex, the anterior angles produced into a very short point and furnished with a few stiff hairs, surface very finely and closely punctured throughout, the punctuation a little more distinct than that of the head. Scutellum broadly triangular, shining impunctate. Elytra regularly rounded and very convex, the sides angulate below the shoulder, closely and regularly punctate-striate, the striae getting finer and more confused towards the apex, greenish or brownish piceous, almost black, a large round spot near the scutellum, another somewhat larger at the shoulder, a third below the middle near the suture and a large triangular patch at the apex of each elytron, bright flavous ; none of these spots extend quite to the lateral or sutural margins. Mesosternal process moderately long and robust.

Hab. Amazon, rio Maué (Dr. Staudinger). Collection Jacoby.

At first sight, this species seems almost identical in colouration with the well known *D. aestuans*, Linn., from which it differs however in many points ; in the present species the thorax is very broad and much more finely punctured, the flavous spot at the shoulder, instead of being thin and narrowed towards the

base, is of almost equal width and does not quite extend to the former, the punctuation of the elytra instead of consisting of ten widely placed rows as in *D. aestuans*, is very close and numerous. Lastly, the entire insect is of much larger size.

Doryphora flavopustulata, n. sp.

Oblong, subdepressed, fulvous; head and thorax with four black spots; elytra regularly punctate-striate, two spots below the base, four placed transversely at the middle, and a crescent-shaped dentate band near the apex, flavous margined with piceous. Length 4 lines.

Head with a few very fine punctures, two spots at the base and two at the middle, black; antennæ short, the last five joints transverse, black, the rest fulvous. Thorax with the posterior margin rounded, the sides finely marginate and rounded towards the anterior angles, surface shining, with a row of punctures near the lateral margin and a few others near the base; four small spots, placed transversely across the disc, the inner two of which are more elongate, bluish-black; the finely raised lateral margin of the same colour. Scutellum dark fulvous, impunctate. Elytra depressed at the latter or posterior half, each elytron with ten rows of regular and moderately deeply impressed punctures, fulvous, two small spots joined together, below the base, and four others across the middle of which the first and third are of only half the size of the other two, flavous, surrounded with piceous; a semi-crescent dentate band, consisting of several elongate spots joined together of the same colour as the spots, is placed near the apex. Mesosternal process robust and straight.

Hab. Brazils. Collection Jacoby.

I am not acquainted with any species with which to compare the present one, which on account of its small size and peculiar markings of its elytra will not be difficult to recognize.

Doryphora quinquepunctata, n. sp.

Metallic greenish-blue; elytra testaceous, semipunctate-striate, the sutural margin and five small spots on each elytron (2, 2, 1) bluish-green. Length $4\frac{1}{2}$ lin.

Head very closely and finely punctured; antennæ with the four terminal joints but slightly thickened, distinctly longer than broad, metallic dark blue, the three basal joints testaceous below. Thorax slightly widened at the middle, the sides parallel and straight, surface remotely punctured at the disc, but very closely along the lateral and basal margins, each side with a small round fovea. Scutellum elongate, smooth, metallic green or blue. Elytra much wider than the thorax, parallel, moderately convex, testaceous, the disc closely and rather regularly punctate-striate near the suture, very irregularly and closely punctured near the sides, a sutural band narrowed towards the apex, a spot at the shoulder, another below the base near the scutellum, two at the middle placed transversely, and a minute spot near the apex, dark blue. Mesosternal process robust and conical.

Hab. Colombia. Three specimens in my collection.

Diabrotica olivacea, n. sp.

Obscure fulvous below, finely pubescent; above obscure dark olive-green; antennæ fulvous, rather robust, second joint shorter than the third. Thorax quadrate, impunctate, the sides narrowly margined. Elytra minutely punctured and obsoletely costate, the sides and apex more distinctly green than the disk. Length 4 lines.

Hab. Bogota. Collection Jacoby.

Diabrotica prolongata, n. sp.

Flavous, below; breast black; finely pubescent; above olive-green; eyes large, prominent; antennæ as long as the body, obscure piceous, pubescent, the two terminal joints fulvous. Thorax impunctate, subquadrate. Elytra very closely and finely punctured, dark olive-green, the lateral margins bright fulvous, the base, a longitudinal stripe from the shoulder to the middle, a spot before and another behind the middle near the suture, piceous. Length $4\frac{1}{2}$ lines.

Hab. Rio de Janeiro. Collection Jacoby.

Diabrotica venezuelensis, n. sp.

Bright green. Head and antennæ black, the ninth and tenth joints of the latter whitish. Thorax subquadrate, impunctate,

obscurely bifoveolate. Scutellum black. Elytra very closely and finely punctured, obsolete costate near the sides, bright green, the sutural and basal margin, and a lateral narrow stripe from the base to the apex, black; breast black; abdomen pale flavous; legs green, tibiæ and tarsi black. Length $3\frac{1}{2}$ lines.

Hab. Merida (Venezuela). Collection Jacoby.

Diabrotica distincta, n. sp.

Elongate, widened behind; flavous; second and third joints of the antennæ very short, equal, basal joint and the ninth and tenth flavous, the rest piceous. Head black. Thorax subquadrate, impunctate, flavous, shining. Elytra very finely rugose-punctate, a triangular spot at the base joined at its end to a transverse band at the middle, and another transverse band before the apex, dark brown; neither of these bands extend to the lateral or sutural margin. Breast and the tibiæ piceous. Length 2 lines.

Hab. Amazons (Dr. Staudinger).

Diabrotica centralis, n. sp.

Elongate, widened behind, fulvous or flavous; breast and head black; antennæ nearly as long as the body, fulvous. Thorax subquadrate, piceous, margined with flavous, surface impunctate, obscurely bifoveolate. Scutellum fulvous. Elytra finely punctured, a spot at the shoulder, another sutural one at the scutellum, two before, two behind the middle placed transversely, and a seventh at the apex, black; a narrow piceous transverse band is placed between the first and second pair of spots below the middle. Length 3 lines.

Hab. Venezuela (Carracas). Collection Jacoby.

Diabrotica oblongopunctata, n. sp. Klug. i. litt.

Elongate, flavous. Head with a triangular black spot at the base. Thorax quadrate, transversely depressed near the base, impunctate. Elytra widened behind, each elytron with six elongate spots, placed in two longitudinal rows of three spots each, the outer ones somewhat larger than the others. Length 3 lines.

Hab. Carracas. Collection Jacoby.

Diabrotica unipunctata, n. sp.

Black below; abdomen and thorax light, fulvous. Head black; antennæ with the three basal joints piceous, the three terminal ones fulvous. Thorax slightly broader than long, impunctate, shining. Scutellum black. Elytra flavous, closely and finely punctured, the lateral and sutural margins, apex, a spot at the shoulder and a smaller one before the middle of each elytron, black; legs black, base of the femora fulvous. Length 4 lines.

Hab. Bogota. Collection Jacoby.

Diabrotica alboplagiata, n. sp.

Flavous below; breast black; antennæ as long as the body, black, the three terminal joints white, apex of the last joint black. Head black. Thorax broader than long, fulvous, impunctate. Scutellum black. Elytra closely and finely punctured, the sides narrowly margined, black, two spots below the base, the inner one round and large, a spot at the apex of the same size, and a short transverse band below the middle, somewhat curved, yellowish-white; tibiæ and tarsi black. Length 4 lines.

Hab. Amazons (Dr. Staudinger). Collection Jacoby.

Allied to *D. generosa*, Baly, but differs in the non-foveolate thorax and flavous abdomen.
